

**Work Order #:** M106001

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132  
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(425) 420-9200 FAX 420-9210  
(509) 924-9200 FAX 924-9290  
(503) 906-9200 FAX 906-9210  
(541) 383-9310 FAX 382-7588


CLIENT: Bristol		INVOICE TO: Bristol Enviro. & Engineering		TURNAROUND REQUEST in Business Days*			
REPORT TO: Anne Krawawetken				Organic & Inorganic Analyses			
ADDRESS: Anchutha Island AK				10 7 5 4 3 2 1 <1			
PHONE: 770-0974		FAX: 770-0975		STD. Petroleum Hydrocarbon Analyses			
PROJECT NAME: Anchutha		P.O. NUMBER: 21090		5 4 3 2 1 <1			
PROJECT NUMBER: 21090		REQUESTED ANALYSES		STD. Please Specify			
SAMPLED BY: CMM / AAK				OTHER			
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		MATRIX (W, S, O)			
				# OF CONT.			
				COMMENTS			
				NCA WO ID			
1. 01AMAX1103MI 6/10/01 10:00		X					
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
RELINQUISHED BY: [Signature]		DATE: 6/10/01		RECEIVED BY: [Signature]		DATE: 6/10/01	
PRINT NAME: Charles Marshall		FIRM: Bristol		PRINT NAME: Stephen Wilson		FIRM: NCA	
RELINQUISHED BY:		DATE:		RECEIVED BY:		DATE:	
PRINT NAME:		TIME:		PRINT NAME:		TIME:	
FIRM:		FIRM:		FIRM:		FIRM:	
ADDITIONAL REMARKS:							
COC REV 3/99		Over lay with 01AMAX1103MI soil Sample Results. HCTD		TEMP: 1002		PAGE OF	



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
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**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter  
Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/01/01 10:02. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson  
Environmental Group Leader

Work Orders included in this report:

**M106001**



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Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
06/03/01 17:11

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMA1103MI	M106001-01	Other wet	06/01/01 10:00	06/01/01 10:02

COC #44

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

1 of 4



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Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
06/03/01 17:11

**Hydrocarbon Identification per NW-TPH Methodology**  
**North Creek Analytical - Mobile Lab**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>01AMA1103MI (M106001-01) Other wet</b>						Sampled: 06/01/01	Received: 06/01/01		<b>A-01</b>
<b>Diesel Range Hydrocarbons</b>	<b>1120000</b>	19200	mg/kg	1	NWTPH HCID	06/01/01	06/01/01	0106001	R-02
<i>Surr: 1-Chlorooctadecane</i>	<i>170 %</i>	<i>50-150</i>							<i>S-02</i>

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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**Reported:**  
06/03/01 17:11

### Hydrocarbon Identification per NW-TPH Methodology - Quality Control

#### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 0106001 - TPH-HCID (WA)

##### Blank (0106001-BLK1)

Prepared & Analyzed: 06/01/01

Diesel Range Hydrocarbons ND 50.0 mg/kg

*Surr: 1-Chlorooctadecane* 19.5 " 20.0 97.5 50-150

##### Duplicate (0106001-DUP1)

Source: M106001-01

Prepared & Analyzed: 06/01/01

Diesel Range Hydrocarbons 967000 22700 mg/kg 1120000 14.7 200 R-02

*Surr: 1-Chlorooctadecane* 1350 " 909 149 50-150

North Creek Analytical - Mobile Lab

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**Reported:**  
06/03/01 17:11

### Notes and Definitions

A-01 This sample was a transformer oil that was diluted with solvent and analyzed to compare with known fuels. See chromatography included with report.

R-02 The reporting limit for this analyte was raised due to the high analyte concentration present in the sample.

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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## Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106001 FINAL 06 03 01 1711.mdb Default Report (not modified)
0106001-DUP1	NW-HCID mod	Diesel Range Hydrocarbons	R-02
M106001-01	NW-HCID mod		A-01
M106001-01	NW-HCID mod	Diesel Range Hydrocarbons	R-02
M106001-01	NW-HCID mod	1-Chlorooctadecane	S-02
M106001-01	NW-HCID mod	1-Chlorooctadecane	Exceeds upper control limit
M106001-01	NW-HCID mod		Other wet batched as Soil